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(71) Applicant: SHIKOKU NIPPON DENKI
SOFTWARE KK

(72) Inventor: NAKAMURA SHIGEKI

(54) CSMA/CD SYSTEM NODE STATION

(57) Abstract:

PURPOSE: To prevent the collision of retransmission data by determining a data retransmission time interval from a node address where node station has peculiarly in a network.

CONSTITUTION: When transmission data sent out by a transmission circuit 14 from a node station 1A comes into collision with transmission data from other node station, a collision detecting circuit 12 detects its collision, a retransmission timer 13 is actuated by a detecting signal from the collision detecting circuit 12, a transmission circuit 14 is actuated by a time-out signal from the retransmission timer 13 and data is retransmitted. In this case, a timer value of the retransmission timer 13 is the time corresponding to an address given from an address register 11, and an address held in

the address register 11 is each different intrinsic value in all the node stations, therefore, it does not occur that retransmission data comes into collision.

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